

**APPENDIX D**  
**Data Used in the Impact Assessment**

**Table D-1**  
**Bridge Structures Along US 2**

<b>Bridge No. (Mile No after -)</b>	<b>Stream Crossing</b>	<b>Type and Size<sup>1</sup></b>	<b>Date Built</b>
02-033.086	Otter Tail Creek	Single 16'-7" x 10'-1" x 218' SPPA	1956
02-033.331	Little Muddy Creek	115'x30' Bridge	1955
02-036.351	Creek	Single 11'x140'SPP	1956
02-044.760	Creek	Single 16'-7"x10'-1 "x63' SPPA	1956
02-045.067	Creek	Single 11'-10"x7'-7"x78' SPPA	1956
02-045.848	Creek	Single 10'-11 "x7'-1 "x82' SPPA	1956
02-053.731 L	BN Railroad	326'x30' Bridge	1997
02-053.731 R	BN Railroad	320'x30' Bridge	1997
02-057.038	Creek	Double 8'x7'x169' RCB	1981
02-073.218	White Earth River	110'x42' Bridge	1980
02-091.422	Little Knife River	Double 8'x6'x95' RCB	1977
02-116.450	BN Railroad	261'x42' Bridge	1979
02-128.904	Creek	Single 10'x143' SPP	1954

<sup>1</sup> RCB = reinforced concrete box pipe, SPP = structural plate pie, SPPA = structural plate pipe arch.

**Table D-2**  
**Race by State, County and City: 2000**

	<b>Total Population</b>	<b>Race (% of Total Population)</b>				
		<b>White</b>	<b>American Indian</b>	<b>Asian &amp; Pacific Islander</b>	<b>African American</b>	<b>Other</b>
North Dakota	642,200	593,181 (92.3%)	31,329 (4.9%)	3,836 (0.6%)	3,916 (0.6%)	2,540 (0.4%)
Williams	19,761	18,367 (92.9%)	869 (4.4%)	38 (0.2%)	24 (0.1%)	27 (0.1%)
Mountrail <sup>1</sup>	6,631	4,376 (66.0%)	1,988 (30.0%)	17 (0.3%)	6 (0.1%)	17 (0.3%)
Ward	58,795	54,337 (92.4%)	1,215 (2.1%)	519 (0.9%)	1,305 (2.2%)	428 (0.7%)
Williston	12,512	11,723 (93.4%)	457 (3.7%)	32 (0.3%)	21 (0.2%)	21 (0.2%)
Ray	534	529 (99.1%)	3 (0.6%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
Stanley	1,279	1,266 (99.0%)	7 (0.5%)	5 (0.4%)	0 (0.0%)	0 (0.0%)
Ross	48	47 (98.0%)	1 (2.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
Berthold	466	457 (98.1%)	0 (0.0%)	1 (0.2%)	1 (0.2%)	2 (0.4%)
Minot	36,567	34,074 (93.2%)	1,008 (2.8%)	251 (0.7%)	490 (1.3%)	181 (0.5%)

<sup>1</sup>These percentages represent the population within Mountrail County, but are not representative of the populations within the project area. The Mountrail County numbers include the tribal land of the Three Affiliated Tribes, located 20 miles south of the project area. The percentages identified for Williams and Ward counties are typical for Mountrail County within the project area. Source: BEA, 2001.

**Table D-3**  
**Distribution of Prime Farmland in the Corridor<sup>1</sup>**

Mapping Symbol	Prime Farmland Map Unit Name and (acreage)	Classification	Prime Farmland (approx. acres/alternative)				
			North (Site A)	South (Site B)	North/South (Preferred) (Site C)	Complete Reconstruction (Site D)	No Action
Williams County, North Dakota							
53	Arnegard loam, 0-3% slopes (17,730)	Prime	12	5	5	7	-
281	Bowdle loam, 0-3% slopes (7,875)	Prime	1	-	-	-	-
669	Farland silt loam, 1-6% slope (5,875)	State importance	-	1	1	-	-
674	Farnuf loam, 0-3% slopes (13,240)	State importance	-	-	-	-	-
676	Farnuf-sakakawea loams, 3-6% slopes (4,015)	State importance	-	-	-	-	-
882	Hamerly-Tonka complex, 0-3% slopes (5,125)	Prime only drained areas	1	-	-	-	-
910	Havrelon loam, slightly wet, 0-2% slopes (2,680)	State importance	-	-	-	-	-
1021	Korchea loam, 0-2%slopes (6,910)	State importance	1	-	-	1	-
1178	Lohler silty clay, slightly wet, 0-2% slopes (2,630)	State importance	-	-	-	-	-

Mapping Symbol	Prime Farmland Map Unit Name and (acreage)	Classification	Prime Farmland (approx. acres/alternative)				
			North (Site A)	South (Site B)	North/South (Preferred) (Site C)	Complete Reconstruction (Site D)	No Action
1664	Shambo loam, 0-2% slopes (10,300)	State importance	12	14	14	10	-
1798	Tally fine sandy loam, 6-9% slopes (1,130)	State importance	-	-	-	-	-
1835	Tonka silt loam (6,755)	Prime only drained areas	2	1	1	-	-
2015	Williams-bowbells loams, 3-9% slopes (339,885)	State importance	204	104	103	111	-
2031	Williams-zahl loams, 3-9% slopes (76,020)	State importance	3	1	1	1	-
2170	Divide loam, 0-3% slopes (3,100)	State importance	-	-	-	-	-
2338	Amor-williams-zahl loams, 3-9% slopes (11,275)	State importance	-	-	-	-	-
2340	Arnegard-shambo loams, 3-6% slopes (6,400)	State importance	3	4	4	4	-
2343	Cherry silt loam, 0-6% loam (2,805)	State importance	-	-	-	-	-
2344	Cherry silt loam, 6-9% loam (2,220)	State importance	-	-	-	-	-
2347	Hamerly loam, 0-3% slopes (1,355)	Prime	1	3	3	3	-
2353	Livona fine sandy loam, 0-6% slopes (24,005)	State importance	3	-	-	-	-

Mapping Symbol	Prime Farmland Map Unit Name and (acreage)	Classification	Prime Farmland (approx. acres/alternative)				
			North (Site A)	South (Site B)	North/South (Preferred) (Site C)	Complete Reconstruction (Site D)	No Action
2355	Mondamin silty clay loam, 0-3% slopes (3,975)	State importance	-	-	-	-	-
2356	Niobell-williams loams, 0-6% slopes (1,550)	State importance	-	-	-	-	-
2357	Savage-grail silty clay loams, 0-6% slopes (4,990)	State importance	-	-	-	-	-
2358	Tally fine sandy loam, 0-6% slopes (9,180)	State importance	3	3	3	4	
2363	Wildrose clay 0-1% slopes (4,855)	Prime	-	-	-	-	-
<b>Total Acreage</b>	<b>578,975 total acres. 43,695 acres prime and 535,280 acres state importance</b>		<b>246</b>	<b>136</b>	<b>135</b>	<b>141</b>	<b>-</b>
Mountrail County, North Dakota							
03	Tonka loam (5,830)	Prime only drained area	3	-	-	-	-
10	Makoti silty clay loam, 1-3% slopes (2,345)	Prime	-	-	-	-	-
17	Hamerly-Tonka complex, 0-3% slopes (18,950)	Prime only drained area	4	-	1	-	-
32	Bowbells loam, 1-3% slopes (7,655)	Prime	-	-	-	-	-
35	Bowbells-tonka complex, 0-3% slopes (5,860)	Prime only drained area	-	-	-	-	-
<b>Total Acreage</b>	<b>34,810 acres prime</b>		<b>7</b>		<b>1</b>	<b>-</b>	<b>-</b>

Mapping Symbol	Prime Farmland Map Unit Name and (acreage)	Classification	Prime Farmland (approx. acres/alternative)				
			North (Site A)	South (Site B)	North/South (Preferred) (Site C)	Complete Reconstruction (Site D)	No Action
Ward County, North Dakota							
BoB	Bowbells loam, gently sloping (16,467)	Prime	2	-	-	-	-
Br	Bowbells-Tonka loams (33,321)	Prime only drained area	25	3	15	9	-
Hf	Hamerly loam (15,355)	Prime	2	1	3	2	-
To	Tonka silt loam (16,275)	Prime only drained area	3	-			-
Total Acreage	81,418 acres prime		32	4	18	11	-

<sup>1</sup>Corridor is defined by the each proposed alternatives ROW. Acreages have been rounded to the nearest whole number

**TABLE D-4 TO D-7**  
**Analysis of Structures Along US 2**



**Table D-4**  
**Structures Impacted by the South Alignment Alternative**

Approximate Location (mile post)	County	Township	Range	Section	Section Subdivision	Description	Degree of Impact	Comment
33.46 North	Williams	156	100	7	SW1/4SW1/4	Farm		No impact
36.49 North	Williams	156	100	10	SW1/4SW1/4	Farm		No impact
41.14 North	Williams	156	99	8	SW1/4SE1/4	Small Building		No impact
41.69 North	Williams	156	99	9	SE1/4SW1/4	Farm		No impact
42.43 North	Williams	156	99	10	SW1/4SW1/4	Farm		No impact
43.95 North	Williams	156	99	11	SW1/4SE1/4	Farm		No impact
45.47 North	Williams	156	98	7	SW1/4SW1/4	Farm		No impact
45.67 North	Williams	156	98	7	SE1/4SW1/4	Building		No impact
48.30 North	Williams	156	98	9	SE1/4SE1/4	Farm		No impact
48.35 South	Williams	156	98	15	NW1/4NW1/4	Farm	PI	Outbuildings only. 154' of yard taken by new R/W. No impact to buildings.
49.74 North	Williams	156	98	11	SE1/4SW1/4	Farm		No impact
49.75 South	Williams	156	98	14	NW1/4NW1/4	Buildings	SFI	Site is outbuildings only. All buildings within proposed ROW will need to be removed.

**Table D-4**  
**Structures Impacted by the South Alignment Alternative**

Approximate Location (mile post)	County	Township	Range	Section	Section Subdivision	Description	Degree of Impact	Comment
50.84 South	Williams	156	98	12	SE1/4SW1/4 SW1/4SE1/4	Farm	SFI	Several buildings within proposed ROW will need to be removed. The same landowner owns farmsite at 50.84 south and 50.84 north. The landowner has requested the new lane be constructed on the south side. Impact analysis assumes house will be impacted - needs field confirmation
50.84 North	Williams	156	98	13	NE1/4NW1/4 NW1/4NE1/4	Farm		No impact
51.69 North	Williams	156	97	7	SE1/4SW1/4	Farm		No impact
52.48 North	Williams	156	97	8	SW1/4SW1/4 SE1/4SW1/4	Cemetery		No impact
52.72 South	Williams	156	97	17	NE1/4NW1/4	Abandoned Gas Station	PI	Most of site within proposed ROW. Only the foundation of the station exists. If tanks are still in place they will need to be removed. Need soils evaluation.
53.03 North	Williams	156	97	8	SE1/4SE1/4 SW1/4SE1/4	Business		No impact
53.27-54.13	Williams	156	97	8,9,16,17		Ray, ND		No impacts in Ray. Electric substation on east end of town will abut proposed ROW.
54.13 North	Williams	156	97	9	SE1/4SE1/4	Grain Elevator		No impact
54.23 North	Williams	156	97	9	SE1/4SE1/4	Above Ground Storage Tanks		No impact
54.51 South	Williams	156	97	15	NE1/4NW1/4	Farm	SFI	Site is outbuildings only. Buildings within proposed ROW will need to be removed.
54.55 North	Williams	156	97	10	SE1/4SW1/4	Farm		No impact

**Table D-4**  
**Structures Impacted by the South Alignment Alternative**

Approximate Location (mile post)	County	Township	Range	Section	Section Subdivision	Description	Degree of Impact	Comment
57.18 North	Williams	156	97	12	SE1/4SE1/4	Farm	No impact	
57.53 North	Williams	156	96	7	SW1/4SW1/4 SE1/4SW1/4	Farm	No impact	
59.71 North	Williams	156	96	9	SE1/4SW1/4	Farm	No impact	
61.64 South	Williams	156	96	14	NE1/4NW1/4	Farm	No impact	
63.24 North	Williams	156	96	12	SE1/4SE1/4	Building	No Impact	
63.81 South	Williams	156	95	18	NW1/4NE1/4	Farm	No impact	
64.05 North	Williams	156	95	7	SE1/4SE1/4	Farm and Commercial Development	No impact	
65.41 North	Williams	156	95	9	SW1/4SW1/4	Farm	No impact	
65.76 North	Williams	156	95	9	SW1/4SE1/4	Farm	No impact	
67.00 North	Williams	156	95	10	SE1/4SE1/4	Farm	No impact	
67.99 South	Williams	156	95	14	NE1/4NE1/4	Farm	No impact	
73.57 North	Mountrail	156	94	22	NE1/4SE1/4 SE1/4SE1/4	Wayside Rest	No impact	

**Table D-4**  
**Structures Impacted by the South Alignment Alternative**

Approximate Location (mile post)	County	Township	Range	Section	Section Subdivision	Description	Degree of Impact	Comment
77.83 North	Mountrail	156	93	21	SW1/4SW1/4	Storage Facility		No impact
80.90 North	Mountrail	156	93	24	SW1/4SW1/4 SE1/4SW1/4	Farm		No impact
81.74 North	Mountrail	156	92	19	SW1/4SW1/4	Farm		No impact
81.98-82.28	Mountrail	156	92	19,20,29,30		Ross, ND		No impact
84.15 North	Mountrail	156	92	21	SW1/4SE1/4 SE1/4SW1/4	Farm		No impact
84.59 South	Mountrail	156	92	28	NE1/4NE1/4	Farm	SFI	No impact if use existing R/W line. There is Insufficient space to construct the typical section. Plan to relocate house to adjust R/W line. Appears to be house only needing relocation.
84.86 South	Mountrail	156	92	27	NW1/4NW1/4	Missile Silo	SFI	Control box located in ROW. Need to relocate control panel and electric cables.
85.74 North	Mountrail	156	92	23	SW1/4SW1/4	Farm		No impact
86.20 South	Mountrail	156	92	26	NW1/4NE1/4	Farm		No impact
86.26 North	Mountrail	156	92	23	SW1/4SE1/4	Farm		No impact
86.59-88.13 North	Mountrail	156	91,92	23,24,25,30		Railroad Tracks		No impact
87.52 South	Mountrail	156	92	25	NE1/4NE1/4	Farm		No impact

**Table D-4**  
**Structures Impacted by the South Alignment Alternative**

Approximate Location (mile post)	County	Township	Range	Section	Section Subdivision	Description	Degree of Impact	Comment
89.29-91.17	Mountrail	156	91	29,28,27		Stanley, ND Existing 4-LANE Section	No impact	
92.08 South	Mountrail	156	91	26	NE1/4NW1/4	Farm	No impact	
92.26 North	Mountrail	156	91	26	NW1/4NE1/4	Farm	No impact	
93.3-94.14 North	Mountrail	156	91,90	24,19		Railroad Tracks	No impact	
93.55 South	Mountrail	156	91	24	NE1/4SE1/4	Farm	No impact	
94.35 North	Mountrail	156	90	19	NE1/4NW1/4	Farm	No impact	
94.78 South	Mountrail	156	90	19	NE1/4NE1/4	Farm	No impact	
98.11 North	Mountrail	156	90	14	SW1/4SW1/4	Farm	No impact	
115.58 South	Ward	156	87	22	NW1/4NE1/4	Farm	No impact	
116.41	Ward	156	87	14	SW1/4SE1/4	Railroad	PI	Construct overpass.
117.00 North	Ward	156	87	13	SW1/4SW1/4	Farm	No impact	
120.29 North	Ward	156	86	18	SW1/4SW1/4	Farm	No impact	
120.30 South	Ward	156	86	19	NW1/4NW1/4	Farm	SFI	Site is outbuildings only. Some buildings within proposed ROW. Need to shift ROW or remove buildings.

**Table D-4**  
**Structures Impacted by the South Alignment Alternative**

Approximate Location (mile post)	County	Township	Range	Section	Section Subdivision	Description	Degree of Impact	Comment
121.28 South	Ward	156	86	20	NW1/4NW1/4	Missile Silo		No impact. New lane transitioned to north side of existing highway to avoid impacts.
121.69 South	Ward	156	86	20	NW1/4NW1/4	Electric Substation		No impact. New lane transitioned to north side of existing highway to avoid impacts.
121.92	Ward	156	86	17,20	NW1/4NE1/4 SW1/4SE1/4	Railroad	PI	At grade railroad crossing. Existing lane is at grade. Will need to add new at grade crossing.
122.09 South	Ward	156	86	20	NE1/4NE1/4	Oil Storage Facility		No impact. New lane transitioned to north side of existing highway to avoid impacts.
122.87-123.85	Ward	156	86	21,22,28,27		Berthold, ND	PI/SFI	At milepost 123.19 a construction business has its parts/salvage yard located within the proposed ROW. The equipment will need to be relocated. No impacts to buildings. At milepost 123.37 a residence and outbuildings are within proposed ROW. House will be 41' from shoulder of proposed new lane and will need to be relocated.
124.15 North	Ward	156	86	22	SW1/4SE1/4 SE1/4SW1/4	Farm/Salvage Business		No impact
126.02 North	Ward	156	86	24	SE1/4SW1/4	Farm		No impact
126.63 North	Ward	156	85	19	SW1/4SW1/4	Farm		No impact
128.91 North	Ward	156	85	21	SE1/4SW1/4	Farm		No impact
129.56 South	Ward	156	85	27	NW1/4NW1/4	Farm	SFI	All buildings within proposed ROW. House is adjacent to the shoulder of proposed new lane and will need to be relocated.

**Table D-5**  
**Structures Impacted by the North Alignment Alternative**

Approximate Location (mile post)	County	Township	Range	Section	Section Subdivision	Description	Degree of Impact	Comment
33.46 North	Williams	156	100	7	SW1/4SW1/4	Farm	SFI	All buildings within proposed ROW. Will have to relocate house.
36.49 North	Williams	156	100	10	SW1/4SW1/4	Farm	PI	144' of farmyard within proposed ROW. No buildings within proposed ROW.
41.14 North	Williams	156	99	8	SW1/4SE1/4	Small Building	SFI	Building within proposed ROW will need to be removed.
41.69 North	Williams	156	99	9	SE1/4SW1/4	Farm	PI	154' of yard and shelter belts within proposed ROW.
42.43 North	Williams	156	99	10	SW1/4SW1/4	Farm	PI	144' of yard and shelter belts within proposed ROW. Proposed ROW line will be 50' from house (currently 196').
43.95 North	Williams	156	99	11	SW1/4SE1/4	Farm	SFI	All buildings within proposed ROW. House will need to be relocated.
45.47 North	Williams	156	98	7	SW1/4SW1/4	Farm	SFI	154' of yard and shelter belts within proposed ROW. Some small outbuildings will need to be removed. House will be 54' from proposed ROW line (currently 208').
45.67 North	Williams	156	98	7	SE1/4SW1/4	Building	SFI	Building will need to be removed.
48.30 North	Williams	156	98	9	SE1/4SE1/4	Farm	SFI	Building and grain storage within proposed ROW. House will be 33' from proposed ROW line.
48.35 South	Williams	156	98	15	NW1/4NW1/4	Farm		No impact
49.74 North	Williams	156	98	11	SE1/4SW1/4	Farm	PI	134' of yard and shelter belts will be within proposed ROW. House will be 54' from proposed ROW line.

**Table D-5**  
**Structures Impacted by the North Alignment Alternative**

Approximate Location (mile post)	County	Township	Range	Section	Section Subdivision	Description	Degree of Impact	Comment
49.75 South	Williams	156	98	14	NW1/4NW1/4	Buildings	No impact	
50.84 South	Williams	156	98	12	SE1/4SW1/4 SW1/4SE1/4	Farm	No impact	
50.84 North	Williams	156	98	13	NE1/4NW1/4 NW1/4NE1/4	Farm	SFI	Site is outbuildings only. House is on south side of road. One building will need to be removed. Other buildings will be a minimum of 27' from proposed ROW line.
51.69 North	Williams	156	97	7	SE1/4SW1/4	Farm	SFI	Part of house is within proposed ROW. Outbuildings will be a minimum of 40' from proposed ROW line.
52.48 North	Williams	156	97	8	SW1/4SW1/4 SE1/4SW1/4	Cemetery	PI	154' of cemetery within proposed ROW. Approximately 65' of cemetery will be in fill area of proposed roadway.
52.72 South	Williams	156	97	17	NE1/4NW1/4	Fuel Tanks	No impact	
53.03 North	Williams	156	97	8	SE1/4SE1/4 SW1/4SE1/4	Business	SFI	Entire parking lot will be within proposed ROW. Building will be a minimum of 21' from proposed ROW line. Business will be relocated.
53.27-54.13	Williams	156	97	8,9,16,17		Ray, ND	SFI	At milepost 54.04 a building is within proposed ROW. Building will be relocated.
54.13 North	Williams	156	97	9	SE1/4SE1/4	Grain Elevator	PI	122' of property within proposed ROW. Building will be 16' from proposed ROW line (currently 133')
54.23 North	Williams	156	97	9	SE1/4SE1/4	Above Ground Storage Tanks	SFI	Tanks within proposed ROW. Facility will be 49' from shoulder of proposed new lane. Will have to relocate tanks. Need soils evaluation.
54.51 South	Williams	156	97	15	NE1/4NW1/4	Farm	No impact	



**Table D-5**  
**Structures Impacted by the North Alignment Alternative**

Approximate Location (mile post)	County	Township	Range	Section	Section Subdivision	Description	Degree of Impact	Comment
54.55 North	Williams	156	97	10	SE1/4SW1/4	Farm	PI	Farm is outbuildings only. Proposed ROW encroaches from 0 to 37' across property (on curve).
57.18 North	Williams	156	97	12	SE1/4SE1/4	Farm	PI	48' of yard within proposed ROW. House will be 39' from proposed ROW line (currently 87')
57.53 North	Williams	156	96	7	SW1/4SW1/4 SE1/4SW1/4	Farm	SFI	48' of property and shelter belts within proposed ROW. One small building will require relocation. Building is not a house.
59.71 North	Williams	156	96	9	SE1/4SW1/4	Farm	PI	104' of property and shelter belts within proposed ROW.
61.64 South	Williams	156	96	14	NE1/4NW1/4	Farm		No impact
63.24 North	Williams	156	96	12	SE1/4SE1/4	Building	SFI	Building within proposed ROW will need to be removed.
63.81 South	Williams	156	95	18	NW1/4NE1/4	Farm		No impact
64.05 North	Williams	156	95	7	SE1/4SE1/4	Farm and Commercial Development	SFI	Several buildings in proposed ROW. House will need to be relocated. Site includes a gas station/bulk service with tanks in the proposed ROW. Tanks will be impacted. Need soils evaluation.
65.41 North	Williams	156	95	9	SW1/4SW1/4	Farm	PI	104' of property within proposed ROW. Site appears to be unoccupied.
65.76 North	Williams	156	95	9	SW1/4SE1/4	Farm	PI	104' of property and trees within proposed ROW.
67.00 North	Williams	156	95	10	SE1/4SE1/4	Farm	SFI	104' of property and trees within proposed ROW. House will need to be relocated.
67.99 South	Williams	156	95	14	NE1/4NE1/4	Farm		No impact

**Table D-5**  
**Structures Impacted by the North Alignment Alternative**

Approximate Location (mile post)	County	Township	Range	Section	Section Subdivision	Description	Degree of Impact	Comment
73.57 North	Mountrail	156	94	22	NE1/4SE1/4 SE1/4SE1/4	Sewage lagoon	PI	Sewage lagoon abuts proposed ROW.
77.83 North	Mountrail	156	93	21	SW1/4SW1/4	Storage Facility	SFI	Facility within proposed ROW will need to be removed. Believed to be water reservoir.
80.90 North	Mountrail	156	93	24	SW1/4SW1/4 SE1/4SW1/4	Farm	SFI	104' of property and shelter belts and one outbuilding within proposed ROW.
81.74 North	Mountrail	156	92	19	SW1/4SW1/4	Farm	PI	81' of property and trees within proposed ROW. Trees were planted and are not native growth.
81.98-82.28	Mountrail	156	92	19,20,29,30		Ross, ND		No impacts
84.15 North	Mountrail	156	92	21	SW1/4SE1/4 SE1/4SW1/4	Farm	SFI	104' of property, shelter belts and one outbuilding within proposed ROW.
84.59 South	Mountrail	156	92	28	NE1/4NE1/4	Farm		No impact
84.86 South	Mountrail	156	92	27	NW1/4NW1/4	Missile Silo		No impact
85.74 North	Mountrail	156	92	23	SW1/4SW1/4	Farm	PI	104' of property and shelterbelts within proposed ROW.
86.20 South	Mountrail	156	92	26	NW1/4NE1/4	Farm		No impact
86.26 North	Mountrail	156	92	23	SW1/4SE1/4	Farm	SFI	104' of property and shelterbelts within proposed ROW. House will be on the proposed ROW lineand need to be relocated.

**Table D-5**  
**Structures Impacted by the North Alignment Alternative**

Approximate Location (mile post)	County	Township	Range	Section	Section Subdivision	Description	Degree of Impact	Comment
86.59-88.13 North	Mountrail	156	91,92	23,24,25,30		Railroad Tracks	RR	Railroad within proposed ROW. Railroad tracks will be 53' from shoulder of proposed new lane. Would need to realign railroad or shift highway to south side to maintain separation.
87.52 South	Mountrail	156	92	25	NE1/4NE1/4	Farm		No impact
89.29-91.17	Mountrail	156	91	29,28,27		Stanley, ND Existing 4-LANE Section		No Impact
92.08 South	Mountrail	156	91	26	NE1/4NW1/4	Farm		No impact
92.26 North	Mountrail	156	91	26	NW1/4NE1/4	Farm	PI	71' of property and shelter belts within proposed ROW. Farm appears to be unoccupied.
93.3-94.14 North	Mountrail	156	91,90	24,19		Railroad Tracks	PI	Railroad within proposed ROW. Railroad tracks will be 53' from shoulder of proposed new lane. Would need to realign railroad or shift highway to south side to maintain separation.
93.55 South	Mountrail	156	91	24	NE1/4/SE1/4	Farm		No impact
94.35 North	Mountrail	156	90	19	NE1/4NW1/4	Farm	PI	71' of property and shelter belts within proposed ROW.
94.78 South	Mountrail	156	90	19	NE1/4NE1/4	Farm		No impact
98.11 North	Mountrail	156	90	14	SW1/4SW1/4	Farm	SFI	71' of property, shelter belts and one outbuilding within proposed ROW.
115.58 South	Ward	156	87	22	NW1/4NE1/4	Farm		No impact
116.41	Ward	156	87	14	SW1/4SE1/4	Railroad	PI	Construct overpass.

**Table D-5**  
**Structures Impacted by the North Alignment Alternative**

Approximate Location (mile post)	County	Township	Range	Section	Section Subdivision	Description	Degree of Impact	Comment
117.00 North	Ward	156	87	13	SW1/4SW1/4	Farm	SFI	71' of property, shelter belts and some small outbuildings within proposed ROW.
120.29 North	Ward	156	86	18	SW1/4SW1/4	Farm	PI	154' of property within proposed ROW. Proposed project will fill part of existing pond.
120.30 South	Ward	156	86	19	NW1/4NW1/4	Farm		No impact
121.28 South	Ward	156	86	20	NW1/4NW1/4	Missile Silo		No impact
121.69 South	Ward	156	86	20	NW1/4NW1/4	Electric Substation		No impact
121.92	Ward	156	86	17,20	NW1/4NE1/4 SW1/4SE1/4	Railroad	PI	At grade railroad crossing. Existing lane is at grade. Will need to add new at grade crossing.
122.09 South	Ward	156	86	20	NE1/4NE1/4	Oil Storage Facility		No impact
122.87-123.85	Ward	156	86	21,22,28,27		Berthold, ND	PI/SFI	At milepost 123.19, a construction business has its parts/salvage yard located within the proposed ROW. The equipment will need to be relocated. No impacts to buildings. At milepost 123.37 a house and outbuildings are within proposed ROW. House will be 41' from shoulder of proposed new lane and need to be relocated.
124.15 North	Ward	156	86	22	SW1/4SE1/4 SE1/4SW1/4	Farm/Salvage Business		No impact. New lane transitioned to south side of existing highway to avoid impacts.

**Table D-5**  
**Structures Impacted by the North Alignment Alternative**

<b>Approximate Location (mile post)</b>	<b>County</b>	<b>Township</b>	<b>Range</b>	<b>Section</b>	<b>Section Subdivision</b>	<b>Description</b>	<b>Degree of Impact</b>	<b>Comment</b>
126.02 North	Ward	156	86	24	SE1/4SW1/4	Farm	SFI	House within proposed ROW and will need to be relocated.
126.63 North	Ward	156	85	19	SW1/4SW1/4	Farm	SFI	154' of property and shelter belts within proposed ROW. House and outbuildings within proposed ROW. House will be 42' from shoulder of proposed new lane.
128.91 North	Ward	156	85	21	SE1/4SW1/4	Farm	PI	124' to 144' of property within proposed ROW.
129.56 South	Ward	156	85	27	NW1/4NW1/4	Farm		No impact

**Table D-6**  
**Structures Impacted by the Selective North-South Alignment Alternative**

Approximate Location (mile post)	County	Township	Range	Section	Section Subdivision	Description	Degree of Impact	Comment
33.46 North	Williams	156	100	7	SW1/4SW1/4	Farm	No impact	
36.49 North	Williams	156	100	10	SW1/4SW1/4	Farm	No impact	
41.14 North	Williams	156	99	8	SW1/4SE1/4	Small Building	No impact	
41.69 North	Williams	156	99	9	SE1/4SW1/4	Farm	No impact	
42.43 North	Williams	156	99	10	SW1/4SW1/4	Farm	No impact	
43.95 North	Williams	156	99	11	SW1/4SE1/4	Farm	No impact	
45.47 North	Williams	156	98	7	SW1/4SW1/4	Farm	No impact	
45.67 North	Williams	156	98	7	SE1/4SW1/4	Building	No impact	
48.30 North	Williams	156	98	9	SE1/4SE1/4	Farm	No impact	
48.35 South	Williams	156	98	15	NW1/4NW1/4	Farm	PI	Outbuildings only. 154' of yard taken by new R/W. No impact to buidlings. This property impacted to avoid impacts to occupied farmstead on north side of highway.
49.74 North	Williams	156	98	11	SE1/4SW1/4	Farm	No impact	
49.75 South	Williams	156	98	14	NW1/4NW1/4	Buildings	SFI	Site is outbuildings only. All buildings within proposed R/W will need to be removed. This property impacted to avoid impacts to occupied farmstead on north side of highway.

**Table D-6**  
**Structures Impacted by the Selective North-South Alignment Alternative**

Approximate Location (mile post)	County	Township	Range	Section	Section Subdivision	Description	Degree of Impact	Comment
50.84 South	Williams	156	98	12	SE1/4SW1/4 SW1/4SE1/4	Farm	SFI	Several buildings within proposed ROW will need to be removed. The same landowner owns farmsite at 50.84 south and 50.84 north. The landowner has requested the new lane be constructed on the south side. Impact analysis assumes house will be impacted - needs field confirmation
50.84 North	Williams	156	98	13	NE1/4NW1/4 NW1/4NE1/4	Farm		No impact
51.69 North	Williams	156	97	7	SE1/4SW1/4	Farm		No impact
52.48 North	Williams	156	97	8	SW1/4SW1/4 SE1/4SW1/4	Cemetery		No impact
52.72 South	Williams	156	97	17	NE1/4NW1/4	Abandoned Gas Station	PI	Most of site within proposed R/W. Only the foundation of the station exists. If tanks are still in place they will need to be removed. This property impacted to avoid impacts to storage tanks on north side of highway. Need soils evaluation.
53.03 North	Williams	156	97	8	SE1/4SE1/4 SW1/4SE1/4	Business		No impact
53.27-54.13	Williams	156	97	8,9,16,17		Ray, ND		No impacts in Ray. Electric substation on east end of town will abut proposed ROW.
54.13 North	Williams	156	97	9	SE1/4SE1/4	Grain Elevator		No impact
54.23 North	Williams	156	97	9	SE1/4SE1/4	Above Ground Storage Tanks		No impact
54.51 South	Williams	156	97	15	NE1/4NW1/4	Farm	SFI	Site is outbuildings only. Building within proposed ROW will need to be removed.

**Table D-6**  
**Structures Impacted by the Selective North-South Alignment Alternative**

Approximate Location (mile post)	County	Township	Range	Section	Section Subdivision	Description	Degree of Impact	Comment
54.55 North	Williams	156	97	10	SE1/4SW1/4	Farm	No impact	
57.18 North	Williams	156	97	12	SE1/4SE1/4	Farm	No impact	
57.53 North	Williams	156	96	7	SW1/4SW1/4 SE1/4SW1/4	Farm	No impact	
59.71 North	Williams	156	96	9	SE1/4SW1/4	Farm	No impact	
61.64 South	Williams	156	96	14	NE1/4NW1/4	Farm	No impact	
63.24 North	Williams	156	96	12	SE1/4SE1/4	Building	No Impact	
63.81 South	Williams	156	95	18	NW1/4NE1/4	Farm	No impact	
64.05 North	Williams	156	95	7	SE1/4SE1/4	Farm and Commercial Development	No impact	
65.41 North	Williams	156	95	9	SW1/4SW1/4	Farm	No impact	
65.76 North	Williams	156	95	9	SW1/4SE1/4	Farm	No impact	
67.00 North	Williams	156	95	10	SE1/4SE1/4	Farm	No impact	
67.99 South	Williams	156	95	14	NE1/4NE1/4	Farm	No impact	
73.57 North	Mountrail	156	94	22	NE1/4SE1/4 SE1/4SE1/4	Wayside Rest	No impact	



**Table D-6**  
**Structures Impacted by the Selective North-South Alignment Alternative**

Approximate Location (mile post)	County	Township	Range	Section	Section Subdivision	Description	Degree of Impact	Comment
77.83 North	Mountrail	156	93	21	SW1/4SW1/4	Storage Facility	No impact	
80.90 North	Mountrail	156	93	24	SW1/4SW1/4 SE1/4SW1/4	Farm	No impact	
81.74 North	Mountrail	156	92	19	SW1/4SW1/4	Farm	No impact	
81.98-82.28	Mountrail	156	92	19,20,29,30		Ross, ND	No impact	
84.15 North	Mountrail	156	92	21	SW1/4SE1/4 SE1/4SW1/4	Farm	No impact	
84.59 South	Mountrail	156	92	28	NE1/4NE1/4	Farm	No impact. New lane transitioned to north side of existing highway to avoid impacts.	
84.86 South	Mountrail	156	92	27	NW1/4NW1/4	Missile Silo	No impact. New lane transitioned to north side of existing highway to avoid impacts.	
85.74 North	Mountrail	156	92	23	SW1/4SW1/4	Farm	No impact	
86.20 South	Mountrail	156	92	26	NW1/4NE1/4	Farm	No impact	
86.26 North	Mountrail	156	92	23	SW1/4SE1/4	Farm	No impact	
86.59-88.13 North	Mountrail	156	91,92	23,24,25,30		Railroad Tracks	No impact	
87.52 South	Mountrail	156	92	25	NE1/4NE1/4	Farm	No impact	

**Table D-6**  
**Structures Impacted by the Selective North-South Alignment Alternative**

Approximate Location (mile post)	County	Township	Range	Section	Section Subdivision	Description	Degree of Impact	Comment
89.29-91.17	Mountrail	156	91	29,28,27		Stanley, ND Existing 4-LANE Section	No impact	
92.08 South	Mountrail	156	91	26	NE1/4NW1/4	Farm	No impact	
92.26 North	Mountrail	156	91	26	NW1/4NE1/4	Farm	No impact	
93.3-94.14 North	Mountrail	156	91,90	24,19		Railroad Tracks	No impact	
93.55 South	Mountrail	156	91	24	NE1/4/SE1/4	Farm	No impact	
94.35 North	Mountrail	156	90	19	NE1/4NW1/4	Farm	No impact	
94.78 South	Mountrail	156	90	19	NE1/4NE1/4	Farm	No impact	
98.11 North	Mountrail	156	90	14	SW1/4SW1/4	Farm	No impact	
115.58 South	Ward	156	87	22	NW1/4NE1/4	Farm	No impact	No impact. New lane transitioned to north side of existing highway to avoid impacts.
116.41	Ward	156	87	14	SW1/4SE1/4	Railroad	PI	Construct overpass for new lane. No impact to existing overpass.
117.00 North	Ward	156	87	13	SW1/4SW1/4	Farm	No impact	
120.29 North	Ward	156	86	18	SW1/4SW1/4	Farm	No impact	

**Table D-6**  
**Structures Impacted by the Selective North-South Alignment Alternative**

Approximate Location (mile post)	County	Township	Range	Section	Section Subdivision	Description	Degree of Impact	Comment
120.30 South	Ward	156	86	19	NW1/4NW1/4	Farm	SFI	Outbuildings only. Some are in proposed R/W. Shift R/W or remove /relocate. This property impacted to avoid impacts to occupied farmstead on north side of highway.
121.28 South	Ward	156	86	20	NW1/4NW1/4	Missile Silo		No impact. New lane transitioned to north side of existing highway to avoid impacts.
121.69 South	Ward	156	86	20	NW1/4NW1/4	Electric Substation		No impact. New lane transitioned to north side of existing highway to avoid impacts.
121.92	Ward	156	86	17,20	NW1/4NE1/4 SW1/4SE1/4	Railroad	PI	At grade railroad crossing. Existing lane is at grade. Would have to add new at grade crossing.
122.09 South	Ward	156	86	20	NE1/4NE1/4	Oil Storage Facility		No impact. New lane transitioned to north side of existing highway to avoid impacts.
122.87-123.85	Ward	156	86	21,22,28,27		Berthold, ND	PI/SFI	At milepost 123.19 a construction business has its parts/salvage yard located within the proposed ROW. The equipment will need to be relocated. No impacts to buildings. At milepost 123.37 a residence and outbuildings are within proposed ROW. House will be 41' from shoulder of proposed new lane and will need to be relocated. These properties are impacted to avoid impacts to industrial facilities, business and school property within the City of Berthold.
124.15 North	Ward	156	86	22	SW1/4SE1/4 SE1/4SW1/4	Farm/Salvage Business		No impact
126.02 North	Ward	156	86	24	SE1/4SW1/4	Farm		No impact
126.63 North	Ward	156	85	19	SW1/4SW1/4	Farm		No impact
128.91 North	Ward	156	85	21	SE1/4SW1/4	Farm		No impact

**Table D-6**  
**Structures Impacted by the Selective North-South Alignment Alternative**

Approximate Location (mile post)	County	Township	Range	Section	Section Subdivision	Description	Degree of Impact	Comment
129.56 South	Ward	156	85	27	NW1/4NW1/4	Farm		No impact. New lane transitioned to north side of existing highway to avoid impacts.

**Table D-7**  
**Structures Impacted by the Complete Reconstruction Alternative**

Approximate Location (mile post)	County	Township	Range	Section	Section Subdivision	Description	Degree of Impact	Comment
33.46 North	Williams	156	100	7	SW1/4SW1/4	Farm	SFI	Some buildings within proposed ROW. House will be 23' from shoulder of new lane and will need to be relocated.
36.49 North	Williams	156	100	10	SW1/4SW1/4	Farm	PI	77' of farmyard within proposed ROW. No buildings in proposed ROW.
41.14 North	Williams	156	99	8	SW1/4SE1/4	Small Building	SFI	Building within proposed ROW will need to be removed.
41.69 North	Williams	156	99	9	SE1/4SW1/4	Farm	PI	77' of yard and shelter belts within proposed ROW. No buildings within proposed ROW.
42.43 North	Williams	156	99	10	SW1/4SW1/4	Farm	PI	67' of yard and shelter belts within proposed ROW.
43.95 North	Williams	156	99	11	SW1/4SE1/4	Farm	SFI	Most buildings within proposed ROW. House will need to be relocated.
45.47 North	Williams	156	98	7	SW1/4SW1/4	Farm	SFI	77' of yard and trees within proposed ROW. One building will be on proposed ROW line.
45.67 North	Williams	156	98	7	SE1/4SW1/4	Building	SFI	Building will need to be removed.
48.30 North	Williams	156	98	9	SE1/4SE1/4	Farm	SF/PI	Building and grain storage within proposed ROW. Need to shift ROW or remove buildings. Assume buildings will be removed.
48.35 South	Williams	156	98	15	NW1/4NW1/4	Farm	PI	Site is outbuildings only. 77' of yard taken by new R/W. No impacts to buildings.
49.74 North	Williams	156	98	11	SE1/4SW1/4	Farm	PI	57' of yard and shelter belts within proposed ROW.

**Table D-7**  
**Structures Impacted by the Complete Reconstruction Alternative**

Approximate Location (mile post)	County	Township	Range	Section	Section Subdivision	Description	Degree of Impact	Comment
49.75 South	Williams	156	98	14	NW1/4NW1/4	Buildings	SFI	Outbuildings, 57' of yard and shelter belts within proposed ROW. Need to move buildings.
50.84 South	Williams	156	98	12	SE1/4SW1/4 SW1/4SE1/4	Farm	SFI	Several buildings within proposed ROW will need to be removed. The same landowner owns farmsite at 50.84 south and 50.84 north. The landowner has requested the new lane be constructed on the south side. Impact analysis assumes house will be impacted - needs field confirmation
50.84 North	Williams	156	98	13	NE1/4NW1/4 NW1/4NE1/4	Farm	SFI	Outbuildings, 67' of yard and trees within proposed ROW.
51.69 North	Williams	156	97	7	SE1/4SW1/4	Farm	PI	67' of yard and trees within proposed ROW. House will be approximately 59' from proposed ROW line (currently 136').
52.48 North	Williams	156	97	8	SW1/4SW1/4 SE1/4SW1/4	Cemetery	PI	78' of cemetery within proposed ROW. Fill area will end at the south edge of cemetery.
52.72 South	Williams	156	97	17	NE1/4NW1/4	Abandoned Gas Station	PI	Most of site within proposed ROW. Only the foundation of the station exists. If tanks are still in place they will need to be removed. Need soils evaluation. Need soils evaluation.
53.03 North	Williams	156	97	8	SE1/4SE1/4 SW1/4SE1/4	Business		No impact
53.27-54.13	Williams	156	97	8,9,16,17		Ray, ND		No impact
54.13 North	Williams	156	97	9	SE1/4SE1/4	Grain Elevator		No impact
54.23 North	Williams	156	97	9	SE1/4SE1/4	Above Ground Storage Tanks		No impact
54.51 South	Williams	156	97	15	NE1/4NW1/4	Farm		No impact

**Table D-7**  
**Structures Impacted by the Complete Reconstruction Alternative**

Approximate Location (mile post)	County	Township	Range	Section	Section Subdivision	Description	Degree of Impact	Comment
54.55 North	Williams	156	97	10	SE1/4SW1/4	Farm	No impact	
57.18 North	Williams	156	97	12	SE1/4SE1/4	Farm	No impact	
57.53 North	Williams	156	96	7	SW1/4SW1/4 SE1/4SW1/4	Farm	No impact	
59.71 North	Williams	156	96	9	SE1/4SW1/4	Farm	No impact	
61.64 South	Williams	156	96	14	NE1/4NW1/4	Farm	No impact	
63.24 North	Williams	156	96	12	SE1/4SE1/4	Building	No Impact	
63.81 South	Williams	156	95	18	NW1/4NE1/4	Farm	No impact	
64.05 North	Williams	156	95	7	SE1/4SE1/4	Farm and Commercial Development	No impact	
65.41 North	Williams	156	95	9	SW1/4SW1/4	Farm	No impact	
65.76 North	Williams	156	95	9	SW1/4SE1/4	Farm	No impact	
67.00 North	Williams	156	95	10	SE1/4SE1/4	Farm	No impact	
67.99 South	Williams	156	95	14	NE1/4NE1/4	Farm	No impact	

**Table D-7**  
**Structures Impacted by the Complete Reconstruction Alternative**

Approximate Location (mile post)	County	Township	Range	Section	Section Subdivision	Description	Degree of Impact	Comment
73.57 North	Mountrail	156	94	22	NE1/4SE1/4 SE1/4SE1/4	Wayside Rest		No impact
77.83 North	Mountrail	156	93	21	SW1/4SW1/4	Storage Facility		No impact
80.90 North	Mountrail	156	93	24	SW1/4SW1/4 SE1/4SW1/4	Farm		No impact
81.74 North	Mountrail	156	92	19	SW1/4SW1/4	Farm		No impact
81.98-83.28	Mountrail	156	92	19,20,29,30		Ross, ND		No impact
84.15 North	Mountrail	156	92	21	SW1/4SE1/4 SE1/4SW1/4	Farm		No impact
84.59 South	Mountrail	156	92	28	NE1/4NE1/4	Farm		No impact
84.86 South	Mountrail	156	92	27	NW1/4NW1/4	Missile Silo	SFI	Control box located in ROW. Need to relocate control panel and electric cables.
85.74 North	Mountrail	156	92	23	SW1/4SW1/4	Farm		No impact
86.20 South	Mountrail	156	92	26	NW1/4NE1/4	Farm		No impact
86.26 North	Mountrail	156	92	23	SW1/4SE1/4	Farm		No impact
86.59-88.13 North	Mountrail	156	91,92	23,24,25,30		Railroad Tracks		No impact
87.52 South	Mountrail	156	92	25	NE1/4NE1/4	Farm		No impact



**Table D-7**  
**Structures Impacted by the Complete Reconstruction Alternative**

Approximate Location (mile post)	County	Township	Range	Section	Section Subdivision	Description	Degree of Impact	Comment
89.29-91.17	Mountrail	156	91	29,28,27		Stanley, ND Existing 4-LANE Section	No impact	
92.08 South	Mountrail	156	91	26	NE1/4NW1/4	Farm	No impact	
92.26 South	Mountrail	156	91	26	NW1/4NE1/4	Farm	No impact	
93.3-94.14 North	Mountrail	156	91,90	24,19		Railroad Tracks	No impact	
93.55 South	Mountrail	156	91	24	NE1/4SE1/4	Farm	No impact	
94.35 North	Mountrail	156	90	19	NE1/4NW1/4	Farm	No impact	
94.78 South	Mountrail	156	90	19	NE1/4NE1/4	Farm	No impact	
98.11 North	Mountrail	156	90	14	SW1/4SW1/4	Farm	No impact	
115.58 South	Ward	156	87	22	NW1/4NE1/4	Farm	No impact	
116.41	Ward	156	87	14	SW1/4SE1/4	Railroad	PI	Construct overpass.
117.00 North	Ward	156	87	13	SW1/4SW1/4	Farm	No impact	
120.29 North	Ward	156	86	18	SW1/4SW1/4	Farm	PI	77' of farmyard within proposed ROW. Proposed project will fill part of existing pond.

**Table D-7**  
**Structures Impacted by the Complete Reconstruction Alternative**

Approximate Location (mile post)	County	Township	Range	Section	Section Subdivision	Description	Degree of Impact	Comment
120.30 South	Ward	156	86	19	NW1/4NW1/4	Farm	PI	77' of property within proposed ROW. No impacts to outbuildings.
121.28 South	Ward	156	86	20	NW1/4NW1/4	Missile Silo		No impact.
121.69 South	Ward	156	86	20	NW1/4NW1/4	Electric Substation	SFI	Substation within proposed ROW. Existing fence will be 83' from shoulder of proposed new lane. Approximately 21' of existing pad is within full 177' ROW. Will need to narrow R/W around substation to avoid impact.
121.92	Ward	156	86	17,20	NW1/4NE1/4 SW1/4SE1/4	Railroad	PI	At grade railroad crossing. Existing lane is at grade. Will need to add new at grade crossing.
122.09 South	Ward	156	86	20	NE1/4NE1/4	Oil Storage Facility		No impact. Existing fence abuts proposed ROW.
122.87-123.85	Ward	156	86	21,22,28,27		Berthold, ND	PI/SFI	At milepost 123.19 a construction business has its parts/salvage yard located within the proposed ROW. The equipment will need to be relocated. No impacts to buildings. At milepost 123.37 a residence and outbuildings are within proposed ROW. House will be 41' from shoulder of proposed new lane and will need to be relocated.
124.15 North	Ward	156	86	22	SW1/4SE1/4 SE1/4SW1/4	Farm/Salvage Business		No impact.
126.02 North	Ward	156	86	24	SE1/4SW1/4	Farm	SFI	House is partially within proposed ROW. House will be approximately 72' from shoulder of proposed new lane. House needs to be relocated.
126.63 North	Ward	156	85	19	SW1/4SW1/4	Farm	SFI	77' of property and shelter belts within proposed ROW. House is partially within proposed ROW. House will be approximately 98' from shoulder of proposed new lane.

**Table D-7**  
**Structures Impacted by the Complete Reconstruction Alternative**

Approximate Location (mile post)	County	Township	Range	Section	Section Subdivision	Description	Degree of Impact	Comment
128.91 North	Ward	156	85	21	SE1/4SW1/4	Farm	PI	47' to 67 ' of property within proposed ROW.
129.56 South	Ward	156	85	27	NW1/4NW1/4	Farm	SFI	Most buildings within proposed ROW. House will be approximately 58' from shoulder of proposed new lane and will need to be relocated.

**TABLE D-8**  
**Utilities Along US 2**

**Table D-8**  
**Inventory of Utilities within US Highway 2 Project Corridor**

**Note:**

The column labeled Impact lists which alternative will impact the listed utility using the following codes:

- N = Impacted by the North Alternative
- S = Impacted by the South Alternative
- SNS = Impacted by the Selective North/South Alternative
- CR = Impacted by the Complete Reconstruction Alternative
- ALL = Impacted by all alternatives
- NONE = Utility not impacted by any alternative

Mile Point	Impact	Travel Direction	Location	Span	Distance 1	Distance 2	Facility	Description
32.414	ALL	W	C				Overhead Electric	Transmission Line - 57 KV
32.414	ALL	E	C				Overhead Electric	Transmission Line - 57 KV
35.473	ALL	B	C				Overhead Electric	
39.398	ALL	B	C				Buried Telephone	
39.436	ALL	B	C				Overhead Electric	
40.623	ALL	B	C				Overhead Electric	
41.689	ALL	B	C				Overhead Electric	
42.466	ALL	B	C				Overhead Electric	
42.482	N,CR	B	L	445	90	90	Buried Telephone	
43.372	ALL	B	C				Buried Telephone	
43.976	ALL	B	C				Overhead Electric	
44.426	ALL	B	C				Overhead Electric	
45.361	N,CR	B	L	646	95	95	Buried Telephone	0.75 inch O.D. Fiber Optic Telecommunications Cable
45.372	ALL	B	C				Buried Telephone	
45.392	ALL	B	C				Buried Telephone	
45.409	ALL	B	C				Overhead Electric	
45.412	ALL	B	C				Buried Telephone	
45.413	S,SNS,CR	B	R	3100			Buried Telephone	4 Fiber Optical
46.000	S,SNS,CR	B	R	5280			Buried Telephone	4 Fiber Optical
47.000	S,SNS,CR	B	R	5280			Buried Telephone	4 Fiber Optical
47.335	ALL	B	C				Overhead Electric	
47.797	N,CR	B	L	2680	80	80	Buried Telephone	0.75 inch O.D. Fiber Optic Telecommunications Cable
48.000	S,SNS,CR	B	R	5280			Buried Telephone	4 Fiber Optical
48.312	ALL	B	C				Overhead Electric	
49.000	S,SNS,CR	B	R	5280			Buried Telephone	4 Fiber Optical
49.671	ALL	B	C				Buried Telephone	
50.000	S,SNS,CR	B	R	5280			Buried Telephone	4 Fiber Optical
50.083	ALL	B	C				Overhead Electric	
50.336	N,CR	B	L			60	Buried Telephone	25X22 Direct Buried Cable
50.336	N,CR	B	L	5116			Buried Telephone	25X22 Direct Buried Cable
50.345	ALL	B	C				Overhead Electric	
50.775	ALL	B	C				Overhead Electric	
50.895	ALL	B	C				Buried Telephone	2 PR.
51.000	ALL	B	C	1308			Buried Telephone	4 Fiber Optical
51.260	ALL	B	C				Buried Telephone	2 PR.
51.305	N,CR	B	L	60			Buried Telephone	25X22 Direct Buried Cable
51.757	ALL	B	C				Buried Telephone	2 PR.
51.768	ALL	B	C				Overhead Electric	
52.274	ALL	B	C				Buried Telephone	4 Fiber Toll and 50 Pair Suser
52.275	N,CR	B	L	3828			Buried Telephone	4 Fiber Toll and Suser
53.000	N,CR	B	L	1412			Buried Telephone	4 Fiber Toll and 50 Pair Suser
53.200	NONE	B	C				Buried Telephone	48 Fiber Optic Cable - Direct Buried
53.266	NONE	B	C				Buried Telephone	4 Fiber Toll and 200 Pair Suser
53.667	NONE	B	C				Overhead Electric	3 Phase
53.686	NONE	B	C				Overhead Electric	3 Phase

**Table D-8**  
**Inventory of Utilities within US Highway 2 Project Corridor**

**Note:**

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Mile Point	Impact	Travel Direction	Location	Span	Distance 1	Distance 2	Facility	Description
53.805	NONE	B	L				Down Guy(s) Electric	
53.806	NONE	B	L	1024			Overhead Electric	
53.917	NONE	B	C				Water Coop.	6 Inch PVC 55-psi Ray & Tioga Water
53.919	NONE	B	C				City Sewer	8 Inch PVC 55-psi City of Ray
53.970	NONE	B	C				Overhead Electric	3 Phase
53.991	NONE	B	C				Overhead Electric	Single Phase
54.000	N,CR	B	L	1431			Overhead Electric	
54.001	N,CR	B	L				Down Guy(s) Electric	
54.007	ALL	B	C			90	Buried Telephone	Direct Buried Cable 0.5 Inch Coax - 2 Cables
54.023	ALL	B	C				Buried Electric	
54.028	ALL	B	C				Overhead Electric	Single Phase
54.106	N	B	L				Down Guy(s) Electric	
54.142	ALL	B	C				Overhead Electric	
54.205	ALL	B	C				City Water	2 Inch Plastic - City of Ray
54.226	ALL	B	C				Natural Gas Distribution	2 Inch Line - 2 Inch Line Runs Along LT App. 350 FT.
54.258	ALL	B	C				Buried Electric	3 110 Volurd 15-KV Cable
54.259	ALL	B	C				Overhead Electric	
54.270	N	B	L				Down Guy(s) Electric	
54.271	ALL	B	C				Overhead Electric	
54.274	N	B	L	2100			Overhead Electric	3 Phase Distribution
54.280	ALL	B	C				City Water	10 Inch Inside Casing - Depth of 7.5 FT. Below Proposed Grades
54.295	S,SNS,CR	B	R				Down Guy(s) Electric	
54.353	ALL	B	C				Down Guy(s) Electric	
54.486	ALL	B	C				Buried Telephone	0.75 inch O.D. Fiber Optic Telecommunications Cable
55.956	S,SNS,CR	B	R		90		Observation Well	Ten FT. Inside of ROW
56.153	ALL	B	C				Crude Oil Collector	10 Inch
56.558	ALL	B	C				Natural Gas Trans.	12 Inch
57.251	ALL	B	C				Overhead Electric	
58.509	ALL	B	C				Buried Telephone	
59.250	ALL	B	C				Overhead Electric	
59.278	ALL	B	C				Overhead Electric	
59.390	ALL	B	C	493			Buried Telephone	92 FT. from Centerline
61.627	ALL	B	C				Overhead Electric	
61.699	N	B	L	15840	70	70	City Water	8 to 12 Inch Water Pipeline - 40 to 190 psi
61.707	N	B	L				Water Coop.	10 Inch PVC Water Reservoir Overflow Line
61.725	ALL	B	C				Buried Telephone	11-PR Cable
62.250	ALL	B	C				Overhead Electric	
62.861	ALL	B	C				Overhead Electric	
63.569	ALL	B	C				Buried Telephone	0.75 inch O.D. Fiber Optic Telecommunications Cable
63.590	ALL	B	C				Buried Telephone	
63.626	ALL	B	C				Buried Telephone	
63.712	N	B	L				Buried Telephone	
63.712	N	B	L	822			Buried Telephone	Direct Buried Optic Cable 1 - 12 Fiber
63.868	S,SNS,CR	B	R	5978			Buried Telephone	Direct Buried Optic Cable 1 - 12 Fiber
63.877	N	B	L	678	50	50	Buried Telephone	Along ROW at 50 FT. - 50 Pair

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Mile Point	Impact	Travel Direction	Location	Span	Distance 1	Distance 2	Facility	Description
63.961	ALL	B	C				Overhead Electric	
64.188	ALL	B	C				Buried Telephone	Run 79 FT. Inside RT ROW
64.204	S,SNS,CR	B	R	200			Buried Telephone	Run 79 FT. Inside RT ROW
64.207	ALL	B	C				Overhead Electric	
64.208	ALL	B	C				Other Electric	Flashing Signals and Luminaries - City of Tioga
64.227	ALL	B	C	200			Buried Telephone	
64.306	ALL	B	C				Salt Water	
64.406	ALL	B	C				Natural Gas Trans.	14 Inch with 18 Inch Casing
64.449	ALL	B	C	73			Other Buried Combination	Natural Gas Pipeline 10.75 Inch O.D. by 0.279 Inch Wall Thickness
64.459	ALL	B	C				Gas Products	14 Inch Diagonal Aminoil USA
64.462	ALL	B	C				Gas Products	
64.463	ALL	B	C				Overhead Electric	3 Phase Distribution
64.699	N	B	L	15840	70	70	City Water	8 to 12 Inch Water Pipeline - 40 to 190 psi
64.702	ALL	B	C				Overhead Electric	
64.962	ALL	B	C				Overhead Electric	
65.000	S,SNS,CR	B	R	5280			Buried Telephone	Direct Buried Optic Cable 1 - 12 Fiber
65.219	ALL	B	C				Overhead Electric	115 KV
65.221	ALL	B	C				Overhead Electric	
65.345	ALL	B	C				Crude Oil Collector	
65.346	S,SNS,CR	B	R	26			Crude Oil Products	Sour Crude Oil Pipeline - Vents and Markers at ROW - Inch 0.219 Wall Thickness
65.351	N	B	L	11			Crude Oil Products	Sour Crude Oil Pipeline - Vents and Markers at ROW - Inch 0.219 Wall Thickness
65.422	ALL	B	C				Buried Telephone	
65.479	ALL	B	C				Crude Oil Products	8 Inch 1440 psi with 12 Inch Casing
65.543	ALL	B	C				Buried Telephone	
65.639	ALL	B	C				Gas Products	14 Inch Diagonal Aminoil USA
65.640	ALL	B	C				Gas Products	14 Inch Diagonal Aminoil USA
66.000	S,SNS,CR	B	R	5280			Buried Telephone	Direct Buried Optic Cable 1 - 12 Fiber
66.007	ALL	B	C				Crude Oil Collector	
66.008	ALL	B	C				Crude Oil Collector	6 Inch
66.015	ALL	B	C				Overhead Electric	
66.192	ALL	B	C				Overhead Electric	
66.360	ALL	B	C				Salt Water	4 Inch
66.483	ALL	B	C				Gas Products	CO2 Pipeline
66.493	ALL	B	C				Crude Oil Collector	
66.553	ALL	B	C				Gas Products	8 Inch with 12 Inch Casing
66.554	ALL	B	C				Gas Products	8 Inch with 12 Inch Casing
66.578	ALL	B	C				Buried Telephone	
66.950	ALL	B	C				Other Gas - Oil	Marvin Nylander - Natural Gas
66.951	ALL	B	C				Natural Gas Distb.	Owned by Kenneth Nylander, Tioga, ND
67.000	S,SNS,CR	B	R	5280			Buried Telephone	Direct Buried Optic Cable 1 - 12 Fiber
67.042	ALL	B	C				Buried Telephone	2 Pair Cable
67.699	N	B	L	15840	70	70	City Water	8 to 12 Inch Water Pipeline - 40 to 190 psi
67.992	ALL	B	C				Overhead Electric	3 Phase Distribution
68.000	S,SNS,CR	B	R	6379			Buried Telephone	Direct Buried Optic Cable 1 - 12 Fiber
68.649	ALL	B	C				Buried Telephone	92 FT. from Centerline

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Mile Point	Impact	Travel Direction	Location	Span	Distance 1	Distance 2	Facility	Description
69.084	ALL	B	C				Overhead Electric	Distribution Line
69.208	S,SNS,CR	B	R	4100			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
69.900	ALL	B	C				Buried Telephone	
69.911	ALL	B	C				Overhead Electric	
69.912	ALL	B	C				Buried Telephone	
70.018	S,SNS,CR	B	R	100			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
70.037	S,SNS,CR	B	R	2200			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
70.195	ALL	B	C				Overhead Electric	
70.259	ALL	B	C				Buried Telephone	
70.342	S,SNS,CR	B	R	100			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
70.361	S,SNS,CR	B	R	2300			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
70.470	ALL	B	C				Buried Electric	Distribution Line
70.699	N	B	L	15840	70	70	City Water	8 to 12 Inch Water Pipeline - 40 to 190 psi
70.797	S,SNS,CR	B	R	100			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
70.816	S,SNS,CR	B	R	3500			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
71.027	ALL	B	C				Buried Telephone	18 Pair 22 Ga. Screen Filled Cable
71.031	ALL	B	C				Buried Telephone	
71.485	S,SNS,CR	B	R	500			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
71.579	S,SNS,CR	B	R	500			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
71.674	S,SNS,CR	B	R	100			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
71.693	S,SNS,CR	B	R	1600			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
71.996	S,SNS,CR	B	R	100			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
72.015	S,SNS,CR	B	R	2000			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
72.356	ALL	B	C				Buried Telephone	
72.366	ALL	B	C				Buried Electric	Distribution Line
72.381	ALL	B	C				Buried Electric	Distribution Line
72.394	S,SNS,CR	B	R	100			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
72.413	S,SNS,CR	B	R	1532			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
72.417	ALL	B	C				Buried Telephone	
72.703	S,SNS,CR	B	R	235			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
72.747	S,SNS,CR	B	R	2333			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
73.189	S,SNS,CR	B	R	400			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
73.265	S,SNS,CR	B	R	500			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
73.360	S,SNS,CR	B	R	300			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
73.360	S,SNS,CR	B	R	6800			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
73.648	S,SNS,CR	B	R	300			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
73.699	N	B	L	15840	70	70	City Water	8 to 12 Inch Water Pipeline - 40 to 190 psi
74.462	ALL	B	C				Overhead Electric	
74.663	S,SNS,CR	B	R			60	Buried Telephone	Buried Telephone Cable
74.704	S,SNS,CR	B	R	1300			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
74.913	ALL	B	C				Buried Telephone	
74.951	S,SNS,CR	B	R	100			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
74.970	S,SNS,CR	B	R	4200			Buried Telephone	
75.673	S,SNS,CR	B	R		60		Buried Telephone	Buried Telephone Cable
75.765	S,SNS,CR	B	R	100			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW



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Mile Point	Impact	Travel Direction	Location	Span	Distance 1	Distance 2	Facility	Description
75.784	S,SNS,CR	B	R	8500			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
76.699	N	B	L	15840	70	70	City Water	8 to 12 Inch Water Pipeline - 40 to 190 psi
77.394	S,SNS,CR	B	R	100			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
77.413	S,SNS,CR	B	R	1200			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
77.640	S,SNS,CR	B	R	200			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
77.678	S,SNS,CR	B	R	8800			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
78.117	ALL	B	C				Overhead Electric	Distribution Line
78.120	ALL	B	C				Overhead Electric	
78.647	ALL	B	C				Overhead Electric	Distribution Line
78.663	ALL	B	C				Buried Telephone	25 Pair 22 Ga. Screen Filled Cable
78.670	ALL	B	C				Buried Telephone	24 Pair Buried Fiber Optic
78.701	ALL	B	C				Overhead Electric	
79.135	ALL	B	C				Natural Gas Trans.	
79.345	S,SNS,CR	B	R	100			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
79.364	S,SNS,CR	B	R	2300			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
79.699	N	B	L	15840	70	70	City Water	8 to 12 Inch Water Pipeline - 40 to 190 psi
79.799	S,SNS,CR	B	R	100			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
79.818	S,SNS,CR	B	R	11500			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
80.860	ALL	B	C				Overhead Electric	
80.893	ALL	B	C				Natural Gas Distb.	
81.677	ALL	B	C				Overhead Electric	
81.996	S,SNS,CR	B	R	100			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
82.015	S,SNS,CR	B	R	100			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
82.034	S,SNS,CR	B	R	100			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
82.053	S,SNS,CR	B	R	1850			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
82.315	N	B	C				Missile Cable	
82.403	S,SNS,CR	B	R	100			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
82.422	S,SNS,CR	B	R	1050			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
82.622	S,SNS,CR	B	R	200			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
82.659	S,SNS,CR	B	R	9910			Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
82.699	N	B	L	15840	70	70	City Water	8 to 12 Inch Water Pipeline - 40 to 190 psi
82.844	ALL	B	C				Natural Gas Distb.	
82.850	ALL	B	C				Overhead Electric	
83.038	ALL	B	C				Overhead Electric	Single Phase
83.339	N	B	L	1657	90	90	City Water	4 Inch PVC
84.079	ALL	B	C				Overhead Electric	
84.536	N,CR,SNS	B	L	3228	90	90	Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
84.536	N,CR,SNS	B	L			90	Buried Telephone	Fiber Optic Cable 1 - 12 Fiber - 10 FT Inside ROW
84.629	ALL	B	C				Buried Telephone	
85.000	S,SNS,CR	B	R	5280	99	99	Buried Telephone	Fiber Optic Telecommunications Cable - 0.5 Inch O.D.
85.653	ALL	B	C				Overhead Electric	
85.699	N	B	L	15840	70	70	City Water	8 to 12 Inch Water Pipeline - 40 to 190 psi
85.722	ALL	B	C				Overhead Electric	Single Phase
86.000	S,SNS,CR	B	R	5280	99	99	Buried Telephone	Fiber Optic Telecommunications Cable - 0.5 Inch O.D.
86.126	ALL	B	C				Overhead Electric	

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Mile Point	Impact	Travel Direction	Location	Span	Distance 1	Distance 2	Facility	Description
86.213	ALL	B	C				Buried Electric	3 Phase
86.625	ALL	B	C				Buried Telephone	
86.629	ALL	B	C				Buried Telephone	
87.000	S,SNS,CR	B	R	5280	99	99	Buried Telephone	Fiber Optic Telecommunications Cable - 0.5 Inch O.D.
87.626	ALL	B	C				Overhead Electric	Single Phase
87.640	ALL	B	C				Buried Telephone	
88.000	S,SNS,CR	B	R	2666	99	99	Buried Telephone	Fiber Optic Telecommunications Cable - 0.5 Inch O.D.
88.600	ALL	B	C				Overhead Electric	3 Phase
88.623	S,SNS,CR	B	R	1993			Buried Electric	3 Phase 15 KV 10 Feet from ROW
88.699	N	B	L	7628	70	70	City Water	8 to 12 Inch Water Pipeline - 40 to 190 psi
89.000	S,SNS,CR	B	R	5280			Buried Electric	3 Phase 15 KV 10 Feet from ROW
89.607	ALL	W	C				Overhead Electric	3 Phase
89.607	ALL	E	C				Overhead Electric	3 Phase
89.644	ALL	W	C				Buried Telephone	
89.644	ALL	E	C				Buried Telephone	
89.670	ALL	E	C				Natural Gas Trans.	3 Inch H.P. - Stanley Lateral
89.670	ALL	W	C				Natural Gas Trans.	3 Inch H.P. - Stanley Lateral
90.000	NONE	E	R				Buried Electric	3 Phase 15 KV 10 Feet from ROW
90.140	ALL	W	C				Buried Telephone	
90.140	ALL	E	C				Buried Telephone	
90.141	ALL	W	C				City Water	City of Stanley
90.141	ALL	E	C	12908			City Water	City of Stanley
90.463	ALL	W	C	385			Missile Cable	Along ROW for 385 Feet at 167 Feet
90.463	ALL	E	C	385			Missile Cable	Along ROW for 385 Feet at 167 Feet
90.549	NONE	W	L	420			Buried Electric	Underground Electric to Patton Post Sign
90.587	NONE	W	L	320			Buried Electric	
90.625	ALL	W	C				Overhead Electric	3 Phase
90.625	ALL	E	C				Overhead Electric	3 Phase
90.908	ALL	W	C				Overhead Electric	
90.908	ALL	E	C				Overhead Electric	
91.922	NONE	B	L	137692			Buried Telephone	
94.333	ALL	B	C				Overhead Electric	
94.784	ALL	B	C				Missile Cable	
94.858	ALL	B	C				Buried Electric	
97.848	ALL	B	C				Overhead Electric	
97.882	ALL	B	C				Natural Gas Trans.	2 Inch Palermo Lateral
98.028	ALL	B	C				Missile Cable	
101.730	ALL	B	C				Buried Electric	
101.850	ALL	B	C				Buried Electric	
104.794	ALL	B	C				Overhead Electric	
104.848	ALL	B	C				Buried Telephone	
105.127	S,SNS,CR	B	R	1670			Missile Cable	
105.488	ALL	B	C	220			Missile Cable	
105.796	N,CR	B	L	2800			Buried Telephone	
105.796	ALL	B	C				Buried Telephone	

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Mile Point	Impact	Travel Direction	Location	Span	Distance 1	Distance 2	Facility	Description
107.005	ALL	B	C				Overhead Electric	230 KV
107.908	N,CR	B	L	460			Missle Cable	
109.295	ALL	B	C				Missle Cable	
110.056	ALL	B	C				Overhead Electric	
110.871	ALL	B	C				Buried Telephone	
110.921	ALL	B	C				Overhead Electric	
111.984	ALL	B	C				Buried Telephone	
111.989	ALL	B	C				Buried Telephone	
113.886	ALL	B	C				Buried Telephone	
115.922	ALL	B	C				Overhead Electric	
116.151	ALL	B	C				Missle Cable	
116.907	ALL	B	C				Overhead Electric	
116.941	ALL	B	C				Buried Telephone	
120.000	N,CR	B	L	70303			Buried Telephone	
121.625	ALL	B	C				Overhead Electric	
121.924	ALL	B	C				Crude Oil Products	All 16 Inch Except 4-2-121.924 which is 12 Inch
122.142	NONE	B	R	2460	75	75	Buried Electric	
123.056	ALL	B	C				City Sewer	
123.320	ALL	B	L	1100			City Sewer	City of Berthold
123.320	ALL	B	L	1110			City Water	City of Berthold
123.403	NONE	B	R	450			Buried Electric	
123.403	NONE	B	R		35		Lighting	35 FT. Pole - 250 Watt HPS
123.528	NONE	B	R	1575	95	95	Buried Electric	
123.832	NONE	B	R		35		Lighting	40 FT. Pole - 400 Watt HPS - IES Type (4)
126.809	ALL	B	C				Private Water	Irrigation Pipe
127.491	ALL	B	C				Overhead Electric	41.6 KV

## **TABLES D- 9 TO D-17**

- D-9 Noise Abatement Criteria Hourly A-Weighted Sound Level in dBA
- D-10 Typical Constituent Concentrations in Highway Runoff
- D-11 Direct Wetland Impacts By Alternative
- D-12 Easement Wetland Impacts within the Proposed ROW by Alternative
- D-13 Native Prairie Impacts by Alternative (acres)<sup>1</sup>
- D-14 Estimated Stem Count Impacts to Trees<sup>1</sup>
- D-15 Upland Forest Impacts (acres)<sup>1</sup>
- D-16 Federally Listed<sup>1</sup> Threatened and Endangered Species Mountrail, Ward, and Williams Counties, ND
- D-17 Jurisdictional Wetland Impacts (Direct)

**Table D-9**  
**Noise Abatement Criteria**  
**Hourly A-Weighted Sound Level in dBA**

Activity Category	L <sub>eq</sub> (h)	L <sub>10</sub> (h)	Description of Activity Category
A	57 (exterior)	60 (exterior)	Lands on which serenity and quiet are of extraordinary significance and serve an important public need and where the preservation of these qualities is essential if the area is to continue to serve its intended purpose.
B	67 (exterior)	70 (exterior)	Picnic areas, recreation areas, playgrounds, active sports areas, parks, residences, motels, hotels, schools, churches, libraries and hospitals.
C	72 (exterior)	75 (exterior)	Developed lands, properties, or activities not included in Categories A or B above.
D	--	--	Undeveloped lands.
C	52 (exterior)	55	Residences, motels, hotels, public meeting rooms, schools, churches, libraries, hospitals, and auditoriums.

Source: FHWA, 2000.

**Table D-10**  
**Typical Constituent Concentrations in Highway Runoff**

<b>Parameter</b>	<b>Concentration (mg/l)</b>
Total Suspended Solids (TSS)	45 - 798
Volatile Suspended Solids (VSS)	4.3 - 79
Total Organic Carbon (TOC)	24 - 77
Chemical Oxygen Demand (COD)	14.7 - 272
Biochemical Oxygen Demand (BOD)	12.7 - 37
Nitrate + Nitrite (NO <sub>3</sub> + NO <sub>2</sub> )	0.15 - 1.636
Total Kjeldahl Nitrogen (TKN)	0.335 - 55.0
Total Phosphorus as P	0.113 - 0.998
Copper (Cu)	0.022 - 7.033
Lead (Pb)	0.073 - 1.78
Zinc (Zn)	0.056 - 0.929
Fecal coliforms (organisms/100 ml)	50 – 590

Source: FHWA, 2000

**Table D-11**

**Direct Wetland Impacts by Alternative**

<b>Cowardin Wetland Type<sup>1</sup></b>	<b>Wetlands in the Corridor<sup>2</sup></b>		<b>Direct Wetland Impacts (acres)</b>				
	<b>Number</b>	<b>Acres</b>	<b>South Alignment</b>	<b>North Alignment</b>	<b>Preferred Selective Alignment</b>	<b>Complete Reconstruction</b>	<b>No Action</b>
PEMA	57	27.1	9.24	4.04	7.62	8.01	0
PSS1A	5	1.4	0.8	0.43	0.8	0.91	0
PEMC	267	151.6	36.75	37.6	33.4	39.44	0
PSS1C	2	1.2	0.34	0.37	0.37	0.37	0
PEMF	28	63.8	13.37	13.87	16.02	15.21	0
PABF	20	61.1	18.49	14.74	18.64	20.88	0
L2ABG	5	7.9	0.02	3.69	2.5	2.61	0
Riverine	4	3.4	0.49	0.41	0.49	0.49	0
Total	388	317.5	79.50	75.15	79.84	87.92	0

<sup>1</sup> Cowardin wetland types are defined as Palustrine, Aquatic Bed, Semipermanently Flooded (PABF); Palustrine, Emergent, Temporarily Flooded (PEMA); Palustrine, Emergent, Seasonally Flooded (PEMC); Palustrine, Emergent, Semipermanently Flooded (PEMF); Palustrine, Scrub-Shrub, Broad-Leaved Deciduous, Temporarily Flooded (PSS1A); Palustrine, Scrub-Shrub, Broad-Leaved Deciduous, Seasonally Flooded (PSS1C); and Lacustrine, Littoral, Aquatic Bed, Intermittently Exposed (L2ABG).

<sup>2</sup> Corridor is distance of 300 feet on both sides of existing roadway centerline.

**Table D-12**  
**Easement Wetland Impacts within the Proposed ROW by Alternative**

<b>Cowardin Wetland Type<sup>1</sup></b>	<b>Easement Wetland Impacts (acres)</b>					
	<b>South Alignment</b>	<b>North Alignment</b>	<b>Selective North/South Alignment</b>	<b>Preferred Selective Alignment</b>	<b>Complete Reconstruction</b>	<b>No Action</b>
PEMA	0.0	0.03	0.0	0.0	0.0	0.0
PEMC	2.16	6.82	3.63	0.0	1.70	0.0
PEMF	0.0	1.72	0.0	0.0	0.0	0.0
PABF	0.0	2.07	0.0	0.0	0.0	0.0
L2ABG	0.0	0.48	0.48	0.0	0.0	0.0
Riverine	0.0	0.0	0.0	0.0	0.0	0.0
Total	2.16	11.12	4.11	0.0	1.70	0.0

<sup>1</sup> Cowardin wetland types are defined as Palustrine, Aquatic Bed, Semipermanently Flooded (PABF); Palustrine, Emergent, Temporarily Flooded (PEMA); Palustrine, Emergent, Seasonally Flooded (PEMC); Palustrine, Emergent, Semipermanently Flooded (PEMF); Palustrine, Scrub-Shrub, Broad-Leaved Deciduous, Temporarily Flooded (PSS1A); Palustrine, Scrub-Shrub, Broad-Leaved Deciduous, Seasonally Flooded (PSS1C); and Lacustrine, Littoral, Aquatic Bed, Intermittently Exposed (L2ABG).



**Table D-13**  
**Native Prairie Impacts by Alternative (acres)<sup>1</sup>**

Location	Acres in Corridor	South Alignment	North Alignment	Selective North - South Alignment	Complete Reconstruction
45.83 N	0.60	0.0	0.60	0.0	0.20
97.14 S	0.31	0.20	0.20	0.20	0.20
98.83 S	0.43	0.20	0.20	0.20	0.20
99.27 S	0.22	0.20	0.20	0.20	0.20
102.20 S	0.56	0.56	0.56	0.56	0.56
102.40 S	0.44	0.44	0.44	0.44	0.44
106.97 S	0.42	0.42	0.42	0.42	0.42
107.30 S	0.21	0.10	0.10	0.10	0.10
110.51 S	0.27	0.27	0.27	0.27	0.27
110.75 N	0.31	0.10	0.31	0.10	0.10
Total	3.77	2.49	3.3	2.49	2.69

<sup>1</sup> Native prairie sites by milepost location in the project area that are located north (N) or south (S) of the existing roadway.

<sup>2</sup> Impacts are acres in the proposed ROW. These acres are assumed to be removed during construction.

**Table D-14**  
**Estimated Stem Count Impacts to Trees<sup>1</sup>**

<b>Type of Tree</b>	<b>Alternative</b>				
	<b>South Alignment</b>	<b>North Alignment</b>	<b>Selective North-South Alignment</b>	<b>Complete Reconstruction</b>	<b>No Action</b>
Pine	716	77	703	66	0
Spruce	43	97	42	85	0
Russian Olive	206	355	236	269	0
Siberian Elm	1,922	782	1,925	699	0
Ash	470	1,038	478	613	0
Cottonwood	74	239	80	192	0
Box Elder	5	35	5	12	0
Maple	0	20	0	30	0
Willow	120	151	120	188	0
American Elm	140	9	15	133	0
Juniper	0	10	0	0	0
Aspen	68	155	68	107	0
<b>Total</b>	<b>3,764</b>	<b>2,968</b>	<b>3,672</b>	<b>2,394</b>	<b>0</b>

<sup>1</sup>A "Tree" is defined as having a height of 20 feet and/or a diameter at breast height (DBH) of 5 inches.

**Table D-15**  
**Upland Forest Impacts (acres)<sup>1</sup>**

Location	South Alignment	North Alignment	Selective North – South Alignment	Complete Reconstruction
65.8	0.0	0.5	0.0	0.0
71.6 N	0.1	0.5	0.1	0.1
71.7 S	2.7	2.7	2.7	2.7
72.0 N	0.1	0.9	0.1	0.1
72.0 S	0.9	0.9	0.9	0.9
72.1 N	0.2	1.5	0.2	0.2
72.1 S	1.6	1.6	1.6	1.6
72.6 S	1.4	1.4	1.4	1.4
72.8 S	0.2	0.2	0.2	0.2
73.3 S	0.5	0.5	0.5	0.5
73.5 S	1.5	1.5	1.5	1.5
73.8 S	2.6	2.6	2.6	2.6
74.0 S	0.2	0.2	0.2	0.2
74.1 N	0.2	0.3	0.2	0.2
74.3 N	0.1	0.5	0.1	0.1
74.5 N	0.0	0.2	0.0	0.0
74.7 N	0.0	0.1	0.0	0.0
75.0 N	0.1	0.5	0.1	0.1
75.2 N	0.1	0.5	0.1	0.1
75.2 S	1.4	1.4	1.3	1.4
75.4 N	0.1	0.5	0.1	0.1
88.3 N	0.0	0.0	0.0	0.0
Total	14	19	13.9	14

<sup>1</sup>Impacts are acres in the proposed ROW.

<sup>2</sup>Upland forest sites by milepost location either north (N) or south (S) of the existing roadway.

**Table D-16**

**Federally Listed<sup>1</sup> Threatened and Endangered Species  
Mountrail, Ward, and Williams Counties, ND**

<b>Species</b>	<b>Status</b>	<b>Habitat Notes<sup>2</sup></b>
Interior Least Tern	Endangered	The principal habitat for the least tern in North Dakota is the sandbars on the Missouri River. Current estimates indicate less than 40 pairs exist in North Dakota.
Whooping Crane	Endangered	This species is migratory through North Dakota. No breeding populations are known to exist in the state. Fall migration starts in September when small flocks begin their migration from the Wood Buffalo National Park in Canada to Aransas National Wildlife Refuge in Texas. They arrive in late October to mid November. In April they begin the 2,600-mile trip back to Canada.
Gray Wolf	Endangered	Only an occasional wolf is seen in North Dakota. These sightings are most likely the result of population fluctuations and strife within packs from populations in Canada and Minnesota.
Dakota Skipper	Candidate	Found in native prairie containing a high diversity of wildflowers and grasses. Habitat includes two prairie types: 1) low (wet) prairie dominated by bluestem grasses, wood lily, harebell, and smooth camas; 2) upland (dry) prairie on ridges and hillsides dominated by bluestem grasses, needlegrass, pale purple and upright coneflowers and blanketflower.

<sup>1</sup> Federal listing information provided by USFWS, Bismark, ND. Fax received July 21, 1999.

<sup>2</sup> All habitat notes unless otherwise noted are summarized from the USFWS Website, available at (<http://www.fws.gov/>).

**Table D-16 (cont.)**

**Federally Listed<sup>3</sup> Threatened and Endangered Species  
Mountrail, Ward, and Williams Counties, ND**

<b>Species</b>	<b>Status</b>	<b>Habitat Notes<sup>4</sup></b>
Pallid Sturgeon	Endangered	This species generally needs faster streams for reproduction. Its present range seems to be restricted principally to the Missouri River, the Lower Yellowstone River and the lower Mississippi River. Most recent reports from North Dakota come from the flowing stretch of the Missouri River between Garrison Dam and the headwaters of Lake Oahe.
Bald Eagle	Threatened	Since 1988, the bald eagle has successfully nested in North Dakota. The USFWS has documented 8 active bald eagle nesting territories on the Missouri River between Garrison Dam and Lake Oahe. Additional known active territories are located in the Devils Lake and Grand Forks area
Piping Plover	Threatened	The key habitat is alkaline wetlands. It nests on sand and pebble beaches of alkali lakes and on bare sandbars of the Missouri River.

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<sup>3</sup> Federal listing information provided by USFWS, Bismark, ND. Fax received July 21, 1999.

<sup>4</sup> All habitat notes unless otherwise noted are summarized from the USFWS Website, available at (<http://www.fws.gov/>).

## Table D-17, Jurisdictional Wetland Impacts (Direct)

Site	Location			Description	Cowardin Classification	Acres in Corridor	South Alignment	North Alignment	Preferred North/South Alignment	Complete Reconstruction	No Build (Update to RRR)
	Sec	T	R								
32.05 S	13	156	101	Tributary to the Little Muddy River	PEMC	0.17	0	0	0	0	0
33.1 N	12	156	100	Otter Tail Creek	PEMC	0.74	0	0.25	0	0.22	0
33.1 S	13	156	101	Otter Tail Creek	PEMC	0.76	0.42	0.01	0.42	0.31	0.29
33.3 S	13	156	101	Little Muddy River	Riverine	0.78	0.38	0	0.38	0.38	
33.3 N	12	156	101	Little Muddy River	Riverine	0.49	0	0.24	0	0	
36.4 N	9	156	100	Tributary - E. Fork of the Little Muddy R.	PEMC	0.3	0	0.12	0	0.1	0
36.4 S	15/16	156	100	Tributary - E. Fork of the Little Muddy R.	PEMC	0.51	0.26	0.04	0.26	0.21	0.04
44.7 N	12	156	99	East Fork of the Little Muddy River	PEMC	0.36	0.03	0.31	0.03	0.28	0.03
44.7 S	13	156	99	East Fork of the Little Muddy River	PEMC	0.15	0.1	0.04	0.1	0.07	0.04
45.1 N	12	156	99	East Fork of the Little Muddy River	PEMA	0.13	0.13	0.13	0.13	0.13	0.13
45.1 S	13	156	99	East Fork of the Little Muddy River	PEMA	0.17	0.17	0.09	0.17	0.17	0.09
45.8 N	7	156	98	East Fork of the Little Muddy River	PEMA	0.07	0	0.07	0	0	0
49.1 N	10	156	98	Tributary to Stony Creek / Epping Dam	PEMC	0.11	0	0	0	0	0
53.2 S	17	156	97	McLeod Lake	PABF	1.38	0.09	0	0.09	0.09	0
55.3 S	15/14	156	97	Tributary to Beaver Creek	PEMC	1.81	0.37	0.04	0.37	0.37	0.04
55.3 N	10/11	156	97	Tributary to Beaver Creek	PEMC	4.57	0.15	0.15	0.15	0.15	0.15
57 N	12	156	97	Tributary to Beaver Creek	PEMA	0.1	0	0.04	0	0	0
57 S	13	156	97	Tributary to Beaver Creek	PEMA	0.18	0.14	0.01	0.14	0.14	0.01
63.7 S	18	156	95	Paulson Creek to White Earth River	PEMC	1.07	0.76	0.04	0.76	0.76	0.04
73.2 N	22/27	156	94	White Earth River	Riverine	0.43	0	0.17	0	0	
73.2 S	22/27	156	94	White Earth River	Riverine	1.67	0.11	0	0.11	0.11	

Site	Location			Description	Cowardian Classification	Acres in Corridor	South Alignment	North Alignment	Preferred North/South Alignment	Complete Reconstruction	No Build (Update to RRR)
	Sec	T	R								
74 N	23	156	94	White Earth River	PEMC	1.27	0.1	0.08	0.1	0.1	0.1
74 S	26	156	94	White Earth River	PEMC	0.76	0.14	0	0.14	0.14	0
74.4 N	23	156	94	Tributary to White Earth River	PEMC	1.3	0.04	0.65	0.04	0.07	0.04
74.4 S	23	156	94	Tributary to White Earth River	PEMC	3.4	1.27	0.29	1.27	1.27	0.29
75 N	24	156	94	Tributary to White Earth River	PEMC	0.29	0	0	0	0	0
75 S	24	156	94	Tributary to White Earth River	PEMC	0.04	0	0	0	0	0
91.3 S	27	156	91	Little Knife River	PEMC	0.71	0.31	0.03	0.31	0.29	0.03
91.3 N	27	156	91	Little Knife River	PEMC	3.07	0	2.09	0	0.54	0
91.7 S	26	156	91	Tributary to Little Knife River	PSS1A	0.15	0.13	0	0.13	0.13	0
91.7 N	26	156	91	Tributary to Little Knife River	PSS1A	0.15	0	0.07	0	0.02	0
92.7 N	23	156	91	Little Knife River	PEMC	0.3	0.03	0.14	0.03	0.05	0.03
92.7 S	23/24	156	91	Little Knife River	PEMC	0.49	0.29	0.05	0.29	0.3	0.05
122.5 N	21	156	86	Arnold Coulee	PSS1C	0.69	0.34	0.34	0.34	0.34	0.05
122.5 S	21	156	86	Arnold Coulee	PEMC	1.26	0.2	0.2	0.2	0.2	0.2
123.8 N	22	156	86	Blacks Coulee	PEMC	0.19	0.06	0.06	0.06	0.06	0
123.8 S	22	156	86	Blacks Coulee	PEMC	0.68	0.06	0.06	0.06	0.06	0.06
125.25 S	26	156	86	Fuller Coulee	PEMC	0.15	0.15	0.05	0.15	0.15	0.05
125.25 N	23	156	86	Fuller Coulee	PEMC	0.04	0.02	0.04	0.02	0.04	0.02
125.45 S	26	156	86	Fuller Coulee	PEMC	0.07	0.04	0	0.04	0.01	0
125.5 S	26	156	86	Fuller Coulee	PEMC	0.05	0.02	0	0.02	0.01	0
125.7 N	24	156	86	Fuller Coulee	PEMC	0.25	0	0.13	0	0.11	0
125.7 S	25	156	86	Fuller Coulee	PEMC	0.26	0.07	0	0.07	0.04	0



Site	Location			Description	Cowardin Classification	Acres in Corridor	South Alignment	North Alignment	Preferred North/South Alignment	Complete Reconstruction	No Build (Update to RRR)
	Sec	T	R								
125.71 S	25	156	86	Fuller Coulee	PEMC	0.04	0.04	0	0.04	0.01	0
125.9 N	24	156	86	Fuller Coulee	PEMC	0.2	0	0.12	0	0.05	0
126.4 N	24	156	86	Fuller Coulee	PEMF	2.52	0	0.81	0	0.51	0
126.4 S	25	156	86	Fuller Coulee	PEMC	0.71	0.38	0.04	0.38	0.29	0.04
128.9 N	21	156	85	Lonetree Coulee	PEMC	0.23	0.08	0.2	0.08	0.18	0.08
128.9 S	28	156	85	Lonetree Coulee	PEMC	0.18	0.09	0.02	0.09	0.07	0.02
<b>Totals (acres)</b>						<b>35.4</b>	<b>6.97</b>	<b>7.22</b>	<b>6.97</b>	<b>8.53</b>	<b>1.92</b>



**TABLE D-18**  
**Initial Tribal Consultation Letters**

Three Affiliated Tribes


**RECORD OF CONSULTATION**  
 Department of Transportation, Design  
 SFN 81913 (2-88)

Project Number	Date 3/1/99
Project Description Highway #2 - Four Lane	
Notes on Discussion Discussed this project w/ the White Earth vrs and Told Elgin of the widening situation and that I had surveyed it in 1982 - with no being recommended if the project is finalized.	
<input checked="" type="checkbox"/> Project <input checked="" type="checkbox"/> Sites (Specific) <input checked="" type="checkbox"/> Sites (General Potential) <input checked="" type="checkbox"/> TCP <input checked="" type="checkbox"/> Sacred Sites <input type="checkbox"/> Other (Specify) _____	
Concerns Elgin talked of traditions and stories related to L. H. Ball coming through here on the way to the Battle of the Little Bighorn. Campy area and pine cone basin held. to there may be concerns with the Elders -	
Planned Action Elgin w/ a talk with the Elders - Got to get back to him on this one - Tobacco appropriate to give to Elgin from us - to Elders.	
 NDDOT Signature	3/1/99 Date
 TRIBAL Signature	3-1-99 Date

CROW


**RECORD OF CONSULTATION**  
 Department of Transportation, Design  
 SFN 51913 (2-99)

Project Number	Highway # 2	Date	6/27/02
Project Description 4-Lane			
Notes on Discussion Concern in the Williston Will check with the Cultural Committee			
<input checked="" type="checkbox"/> Project <input type="checkbox"/> Sites (Specific) <input type="checkbox"/> Sites (General Potential) <input type="checkbox"/> TCP <input type="checkbox"/> Sacred Sites <input type="checkbox"/> Other (Specify) _____			
Concerns Concern with Williston area			
Planned Action Will check with Cultural Committee. and get back to me.			
<div style="display: flex; justify-content: space-between;"> <div>             NDDOT Signature         </div> <div>             TRIBAL Signature         </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>             Date         </div> <div>             Date         </div> </div>			

Fort Peck


**RECORD OF CONSULTATION**  
 Department of Transportation, Design  
 SFN 51913 (2-99)

Project Number	Date <u>5/4/01</u>
Project Description <u>Highway #2</u>	
Notes on Discussion <u>Discussion about the area of White Earth Valley and cultural history - related story of Indian white man / S. rex.</u>	
<input type="checkbox"/> Project <input checked="" type="checkbox"/> Sites (Specific) <input type="checkbox"/> Sites (General Potential) <input checked="" type="checkbox"/> TCP <input checked="" type="checkbox"/> Sacred Sites <input type="checkbox"/> Other (Specify) _____	
Concerns <u>Assinibone homeland - 33 bands in the area - in between white trapper -</u>	
Planned Action <u>Further consultation - Lakota / Nakota / Dakota may want to get tribes together to discuss some concerns.</u>	
<div style="display: flex; justify-content: space-between;"> <div> <u>[Signature]</u>            NDDOT Signature         </div> <div> <u>5/4/01</u>            Date         </div> <div> <u>[Signature]</u>            TRIBAL Signature         </div> <div> <u>5-4-01</u>            Date         </div> </div>	



**RECORD OF CONSULTATION**  
Department of Transportation, Design  
SFN 51913 (2-99)

*Northern Cheyenne*

Project Number	<i>Highway #2 Four Lane</i>	Date	<i>10/06/02</i>
Project Description			
Notes on Discussion			
<p><i>Discussed what has transpired with Design of Highway to avoid sites - Showed Mr. Brody and Don May Bad Horse the PowerPoint Presentation</i></p>			
<input checked="" type="checkbox"/> Project <input checked="" type="checkbox"/> Sites (Specific) <input type="checkbox"/> Sites (General Potential) <input type="checkbox"/> TCP <input type="checkbox"/> Sacred Sites <input type="checkbox"/> Other (Specify) _____			
Concerns			
<p><i>Really didn't have any concerns, but wanted to be kept in mind regarding the Mitigation.</i></p>			
Planned Action			
<p><i>Will keep Mr. Brody informed - Plan a follow-up trip in the summer of 03</i></p>			
<p> <i>Kurt A. Good</i>      <i>10/10/02</i>      <i>Robert [Signature]</i>      <i>10-06-02</i>            NDDOT Signature      Date      TRIBAL Signature      Date         </p>			


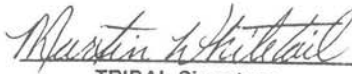

**RECORD OF CONSULTATION**  
 Department of Transportation, Design  
 SFN 51913 (2-99)

*Sisseton - Wahpeton Sioux*

Project Number	Date <i>3/10/99</i>
Project Description <i>Highway #2 - Four Lash</i>	
Notes on Discussion <i>Talked about function of Star Circle</i>	
<input checked="" type="checkbox"/> Project <input checked="" type="checkbox"/> Sites (Specific) <input type="checkbox"/> Sites (General Potential) <input type="checkbox"/> TCP <input checked="" type="checkbox"/> Sacred Sites <input type="checkbox"/> Other (Specify) _____	
Concerns  <i>No Concerns - suggested talking with Fort Peck - Standing Rock - (to west Lake people)</i>	
Planned Action	
<div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;">             NDDOT Signature         </div> <div style="text-align: center;"> <i>3/10/99</i>            Date         </div> <div style="text-align: center;">             TRIBAL Signature         </div> <div style="text-align: center;"> <i>5/10/99</i>            Date         </div> </div>	

Spirit Lake Tribe

**RECORD OF CONSULTATION**  
Department of Transportation, Design  
SFN 51913 (2-99)

Project Number	NH-7-002(050)069	Date	3/3/99
Project Description	Talked about project		
Notes on Discussion	Discussed Highway 2 - mill and overlay + rest stop		
<input checked="" type="checkbox"/> Project <input type="checkbox"/> Sites (Specific) <input type="checkbox"/> Sites (General Potential) <input type="checkbox"/> TCP <input type="checkbox"/> Sacred Sites <input type="checkbox"/> Other (Specify) _____			
Concerns	No Concern		
Planned Action			
<div><div> NDDOT Signature</div><div> TRIBAL Signature</div></div> <div><div>3/3/99 Date</div><div>3-3-99 Date</div></div>			

Standing Rock Sioux


**RECORD OF CONSULTATION**  
 Department of Transportation, Design  
 SFN 51913 (2-99)

Project Number	NH-7-002(080)069	Date	3/3/99
Project Description Talked about project			
Notes on Discussion Tipi Ring Site 10-24 compound of many rings			
<input checked="" type="checkbox"/> Project <input checked="" type="checkbox"/> Sites (Specific) <input type="checkbox"/> Sites (General Potential) <input type="checkbox"/> TCP <input type="checkbox"/> Sacred Sites <input type="checkbox"/> Other (Specify) _____			
Concerns with use of site - need to address people to look at the site - need to relocate - try and do -			
Planned Action Traditional People - Tim concerned. Saw - Little Owl - People on _____			
 NDDOT Signature		 TRIBAL Signature	
3/15/99 Date		3-15-99 Date	



Turtle Mountain Chippewa


**RECORD OF CONSULTATION**  
 Department of Transportation, Design  
 SFN 51913 (2-99)

Project Number	Date 3/2/99
Project Description Highway # 2 Four Lane	
Notes on Discussion Traditional Area - visiting Rock - Chippewa Traditional area - concern with site.	
<input checked="" type="checkbox"/> Project <input type="checkbox"/> Sites (Specific) <input type="checkbox"/> Sites (General Potential) <input type="checkbox"/> TCP <input type="checkbox"/> Sacred Sites <input type="checkbox"/> Other (Specify) _____	
Concerns Check on White Earth Country Concern with graves - keep APE down :h P	
Planned Action Check on <u>White Earth Country</u> - for <u>Kade Fernis</u> Tribal Anthropologist P.O. Box 900 Berwick, ND 58306	
_____ NDDOT Signature	_____ TRIBAL Signature
3/2/99 Date	3/2/99 Date